

ABSTRACT OF THE DISCLOSURE

An electronic signal transmission device comprises a first communication section to be connected to a first electronic device of a signal transmitting side; a second communication section to be connected to a second electronic device of a signal receiving side; an authentication section for executing an authentication process with the first electronic device and supplying key information for decryption; a decryption section for executing a decryption process of an encrypted signal supplied from the first electronic device based on the key information from the authentication process; and a supply section for directly supplying the encrypted signal from the first electronic device and the key information to the second communication section in order to avoid signal delay by the authentication.